



PATENT ABSTRACTS OF JAPAN

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(71) Applicant: NSK LTD

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(54) ROLLING BEARING

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a rolling bearing having a least dust generating amount and a low outgassing capability under a clean environment and vacuum environment and having superior durability under high surface pressure.

SOLUTION: In a ball bearing comprising an inner ring 1, an outer ring 2, and a plurality of balls 3 arranged in a freely rolling state between the inner ring 1 and outer ring 2, at least one of a raceway surface of the inner ring 1, a raceway surface of the outer ring 2, and a rolling surface of the balls 3 is coated by a lubricating film 6 containing fluorine polymer having a functional group and perfluoropolyether (PFPE).

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